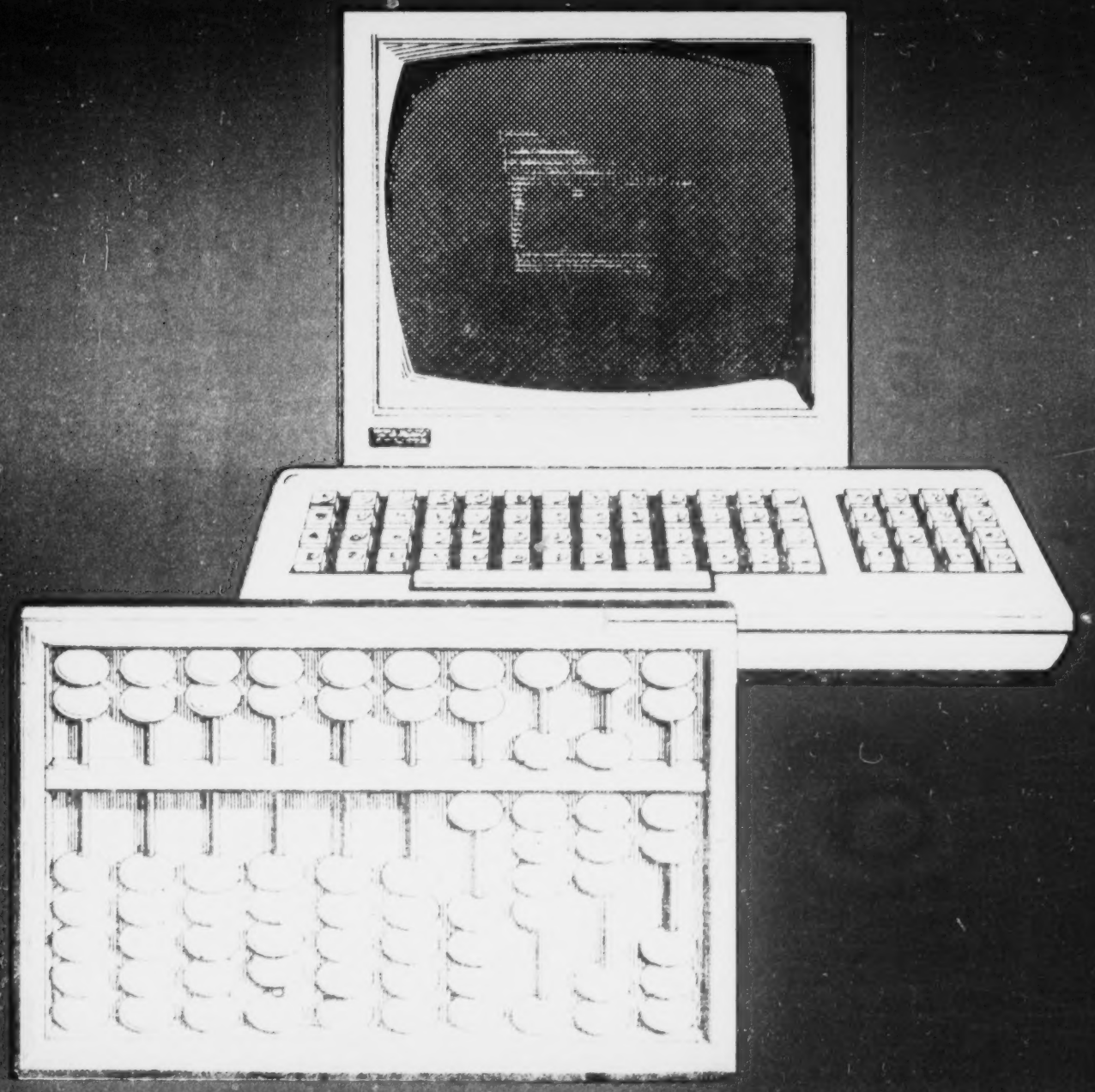


CARPET & RUG INDUSTRY REVIEW

1989

ORI88

Preface

The Carpet and Rug Institute is the national trade association representing the carpet and rug industry in the United States. CRI members are either manufacturers of carpet, rugs or other industry products, or are suppliers of raw materials and services to the industry.

The work of the Institute is under the direction of an elected Chairman and Board of Directors and an appointed President. Each phase of industry activity is assigned to professional staff in such areas as public relations, member services, governmental and consumer affairs, and technical services.

Lending their time and expertise to assist the staff are personnel from member companies who work on committees and subcommittees.

CRI maintains permanent offices in Dalton, Georgia, and in Washington, D.C.

Highlights of 1988

- Shipments totaled $8.418 billion, an increase of 6.2 percent from 1987.
- Total square yards reached 1.328 billion, up 2.4 percent from 1987.
- Tufted's share of market was 93.4 percent on a square yard basis, and 93.8 percent based on dollars.
- Woven products held a 1.6 percent share on a square yard basis and 3.4 percent based on dollars.
- Nylon held a 73.0 percent share of the face fiber market; polypropylene ranked second with 16.1 percent; polyester 10.4 percent;and wool almost one percent.
- Export sales were $331.6 million. An increase of 53.1 percent over 1987.
- The top five markets for U.S. exports were: Saudi Arabia, Canada, Japan, United Kingdom and United Arab Emirates.
- Imports reached $576.4, a decrease of 12.0 percent from 1987.
- The top five suppliers to the U.S. were: India, Mainland China, Belgium, Pakistan and United Kingdom.

Highlights of 1987

- Shipments totaled $7.929 billion, an increase of 8.4 percent from 1986.
- Total square yards reached 1.297 billion, up 3.1 percent from 1986.
- Tufted's share of market was 93.7 percent on a square yard basis, and 93.5 percent based on dollars.
- Woven products held a 1.5 percent share on a square yard basis and 3.4 percent based on dollars.
- Nylon held a 75.8 percent share of the face fiber market; polypropylene ranked second with 15.0 percent; polyester 8.7 percent; and wool almost one percent.
- Export sales were $216.6 million, increase of 19.6 percent over 1986.
- The top five markets for U.S. exports were: Saudi Arabia, Canada, Kuwait, United Arab Emirates and Japan
- Imports reached $655.0 million, an increase of 11.8 percent from 1986.
- The top five suppliers to the U.S. were: India, Iran, Mainland China, Belgium and Pakistan.

Table of Contents

Total Industry Shipments — Square Yards	2
Total Industry Shipments — Dollar Value	3
Producer Price Index	4
Carpet and Rug Trade Balance	5
Appendix Table 1 — Total Industry Shipments — Square Yards	6
Appendix Table 2 — Total Industry Shipments — Dollar Value	6
Appendix Table 3 — Total industry Shipments	7
Appendix Table 4 — Total Broadloom Shipments	8
Appendix Table 5 — Carpet and Rug Fiber Shipments	9
Appendix Table 6 — Housing Starts/Tufted Roll Goods and Rugs Larger Than 6' x 9'	9
Appendix Table 7 — Total Industry Shipments, Population, Total Personal Income	10
Appendix Table 8 — Broadloom Carpet Shipments, Households, Disposable Personal Income	10
Appendix Table 9 — Exports and Imports	11
Appendix Table 10 — Carpet/Total Textiles Balance of Trade	11
Appendix Table 11 — 1988 Exports of Carpet and Rugs By Type	12
Appendix Table 12 — 1988 Imports of Carpet and Rugs By Type	14

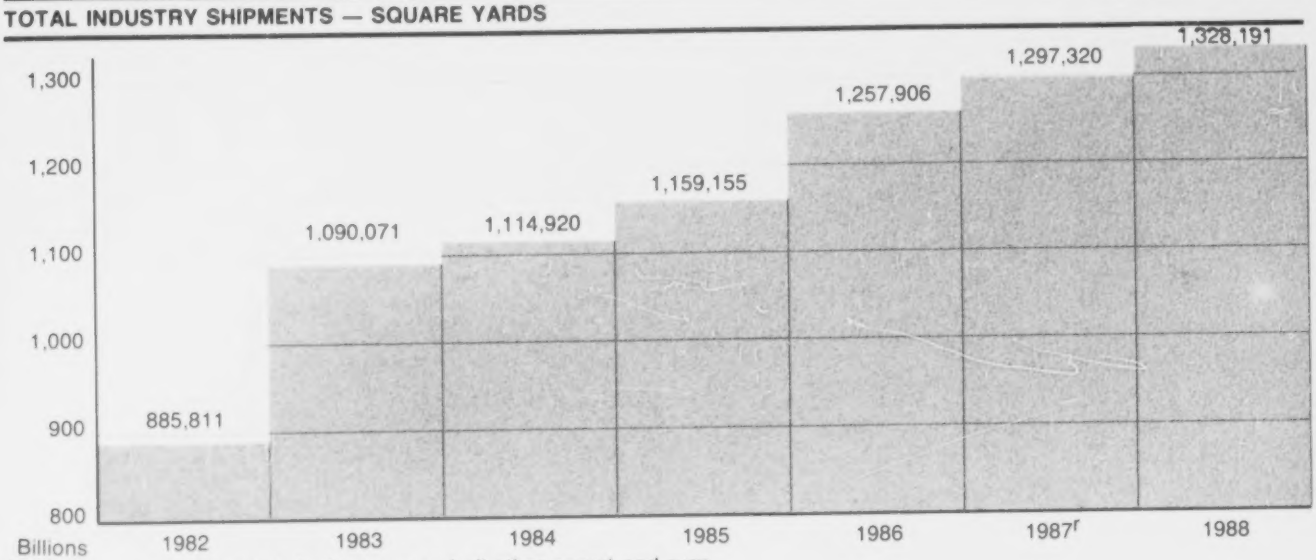
Copyright 1990

ISBN #0-89275-015-4

Data Compiled and Published by

The Carpet and Rug Institute
P.O. Box 2048
Dalton, GA 30722
404/278-3176

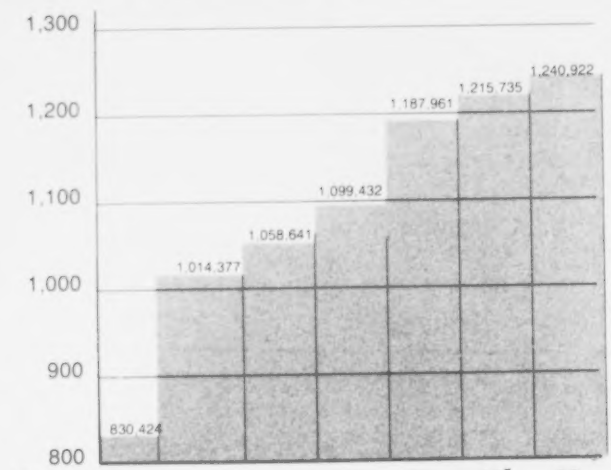
TOTAL INDUSTRY SHIPMENTS — SQUARE YARDS



Billions Sq. Yds.

Includes all tufted, woven and all other carpet and rugs.

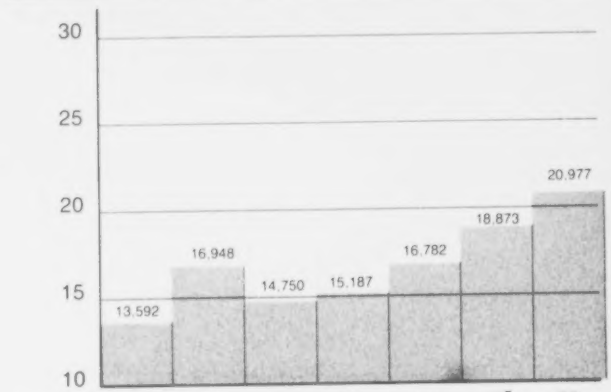
TUFTED SHIPMENTS — SQUARE YARDS



Millions Sq. Yds.

Includes rugs and roll goods larger than 6' x 9', rugs smaller than 6' x 9', tufted artificial grass for non-athletic surfaces and automobile and aircraft carpet.

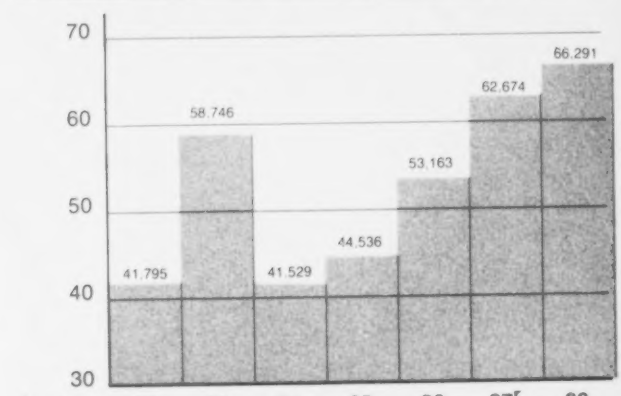
WOVEN SHIPMENTS — SQUARE YARDS



Millions Sq. Yds.

Includes Velvet, Wilton, Axminster and other types of woven carpet and rugs.

ALL OTHER SHIPMENTS — SQUARE YARDS



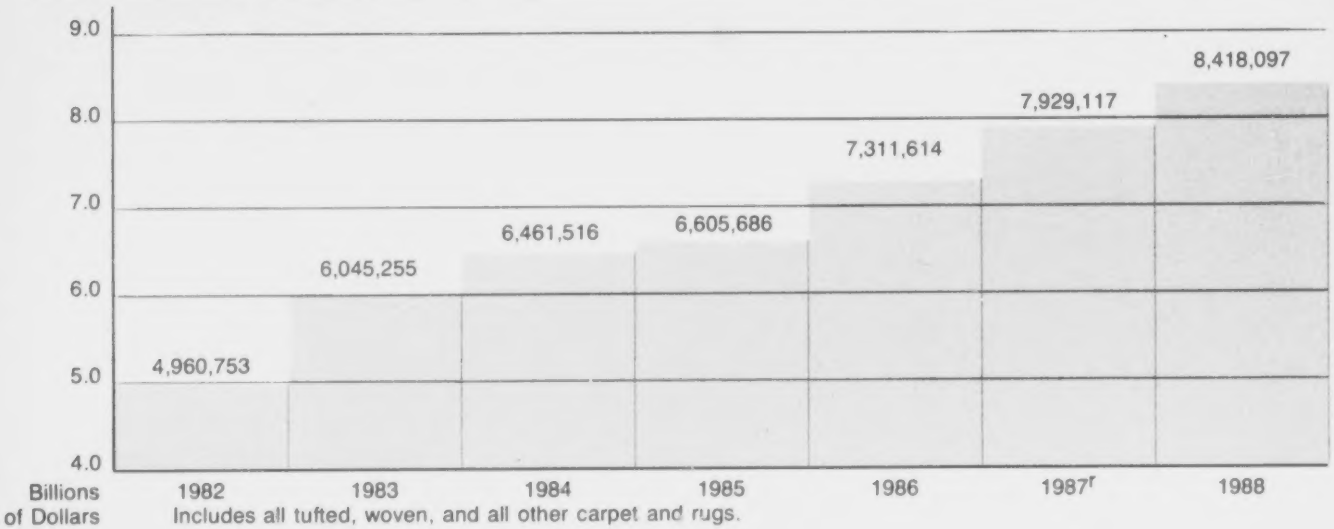
Millions Sq. Yds.

Includes knitted, needlepunch, braided, hooked and other carpet and rugs not elsewhere classified (N.E.C.).

Refer to Appendix Table 1, page 6, for additional data.

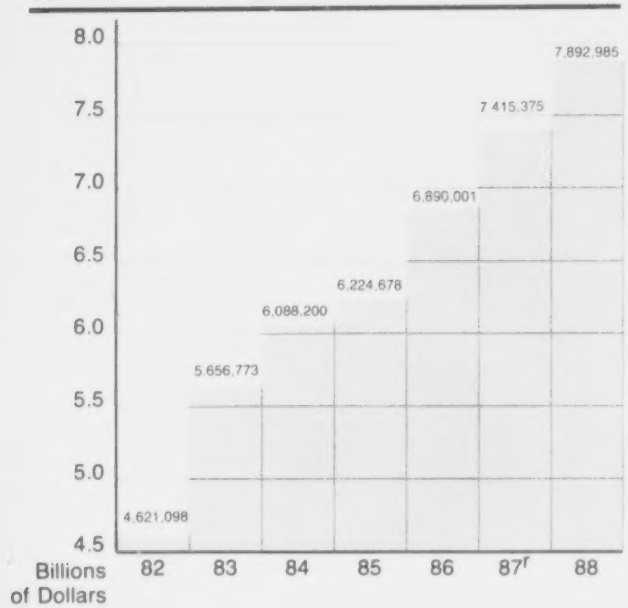
Source: U.S. Department of Commerce, Bureau of the Census, Current Industrial Reports, "Carpet and Rugs," Series MA-22Q.

TOTAL INDUSTRY SHIPMENTS — DOLLAR VALUE

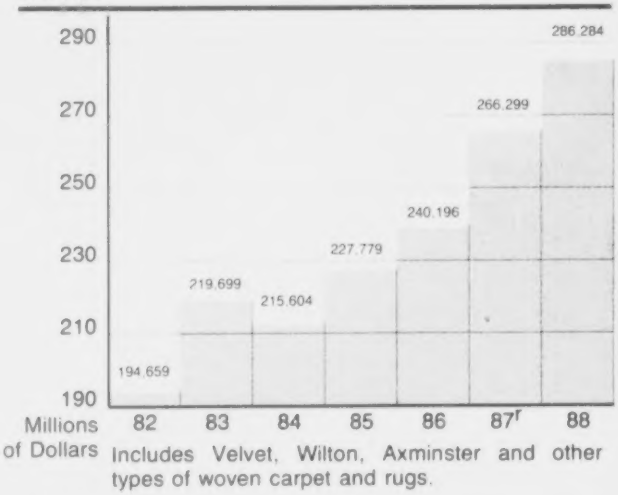


Includes all tufted, woven, and all other carpet and rugs.

TUFTED

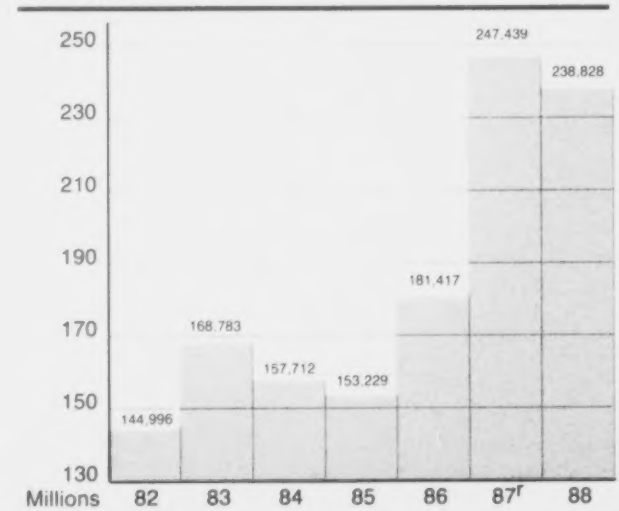


WOVEN



Includes Velvet, Wilton, Axminster and other types of woven carpet and rugs.

ALL OTHER

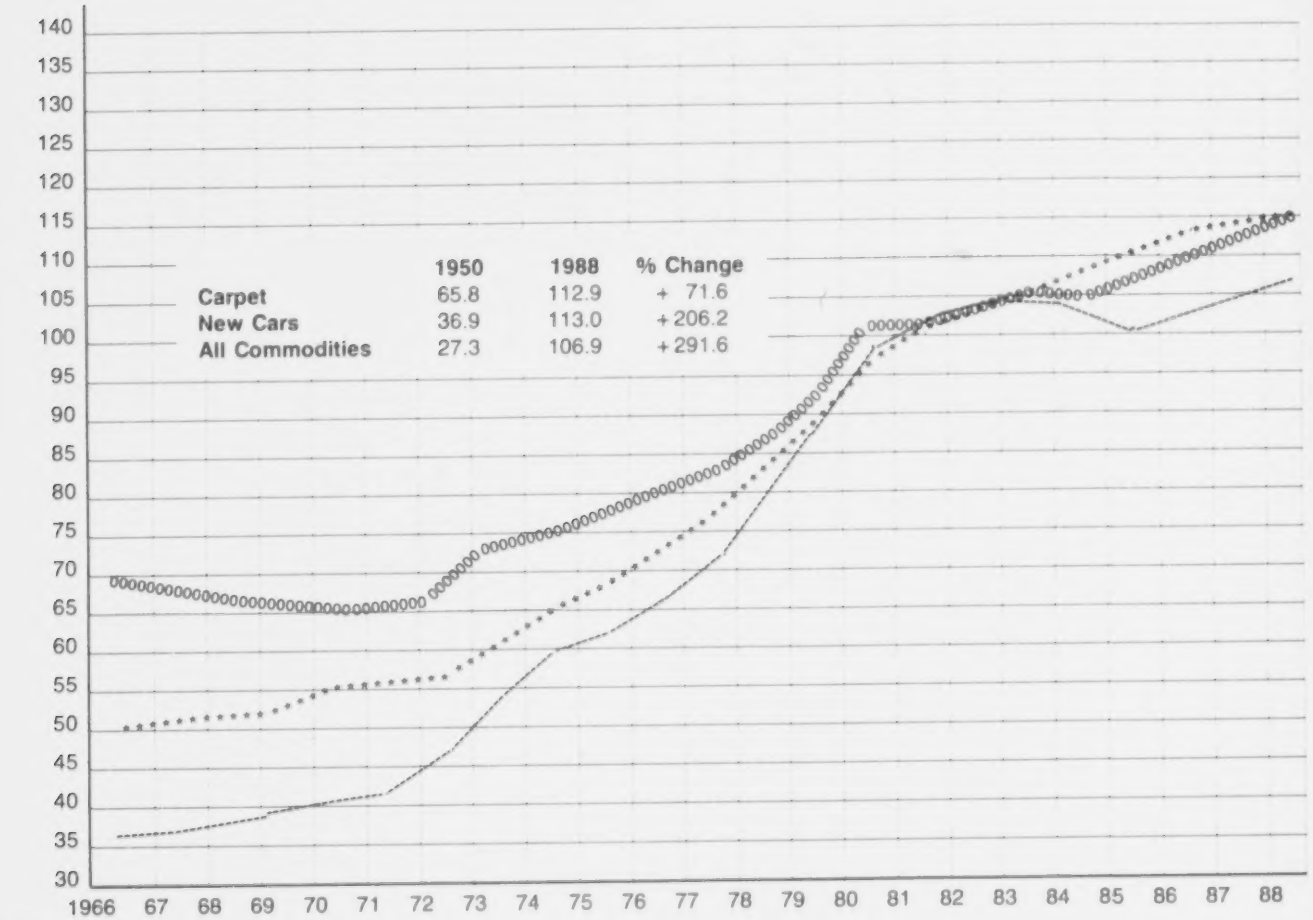


Includes knitted, needlepunch, braided, hooked and other carpet and rugs N.E.C.

Refer to Appendix Table 2, page 6, for additional data.

Source: U. S. Department of Commerce, Bureau of the Census, Current Industrial Reports, "Carpet and Rugs," Series MA-22Q.

PRODUCER PRICE INDEX (1982 = 100%)



	1950	1988	% Change
Carpet	65.8	112.9	+ 71.6
New Cars	36.9	113.0	+206.2
All Commodities	27.3	106.9	+291.6

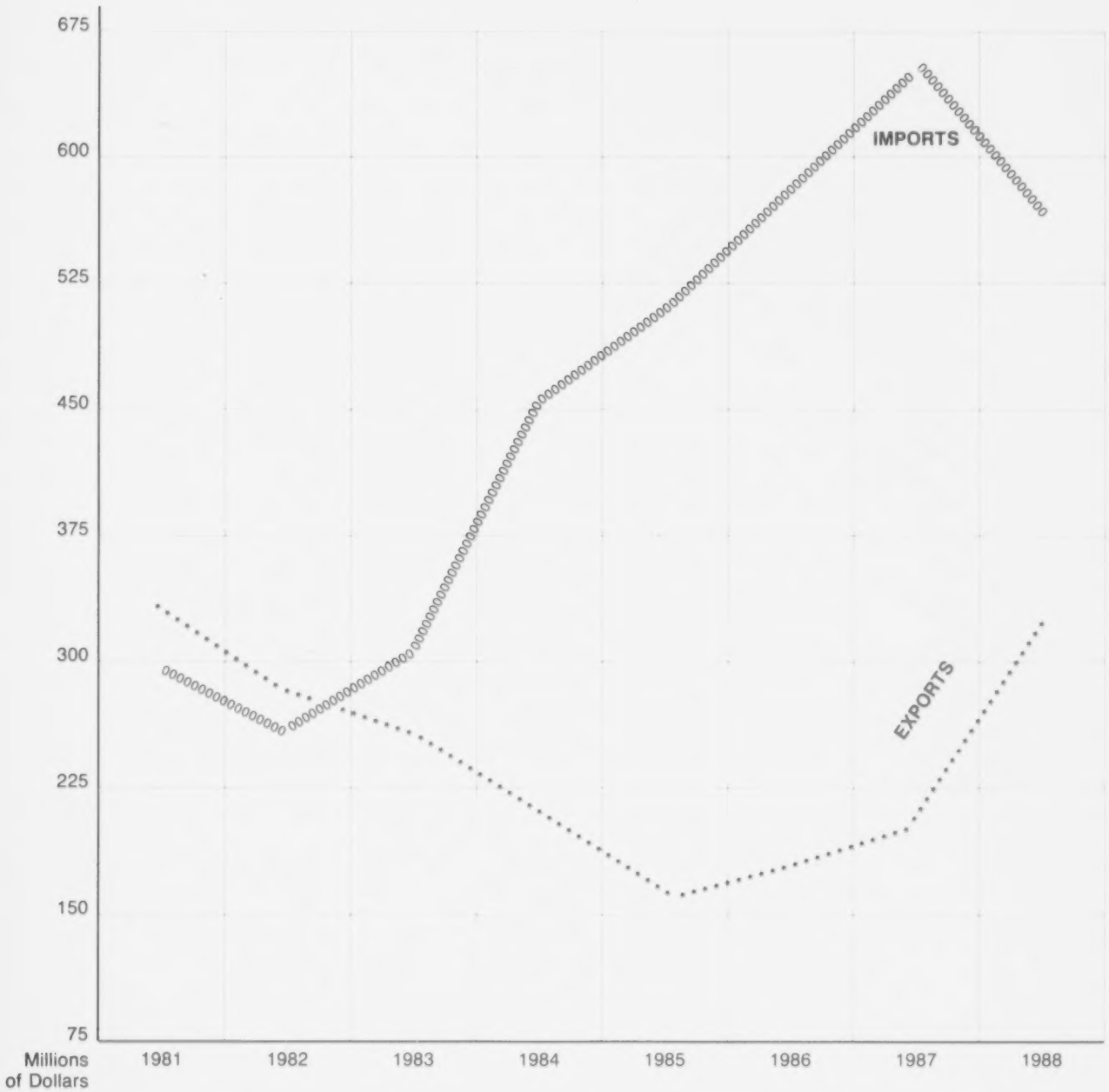
Source: Bureau of Labor Statistics

---------All Commodities

* * * * * *New Cars

oooooooo Carpet

CARPET AND RUG TRADE BALANCE



Source: U.S. Department of Commerce, Bureau of the Census, IM 145 and 146, for Imports
U.S. Department of Commerce, Bureau of the Census, EM 522 and 526, for Exports

APPENDIX TABLE 1 — TOTAL INDUSTRY SHIPMENTS — SQUARE YARDS (000's Omitted)

	1982	1983	1984	1985	1986	1987[r]	1988
TUFTED	830,424	1,014,377	1,058,641	1,099,432	1,187,961	1,215,735	1,240,922
Rugs smaller than 6' x 9'	55,394	72,869	72,454	62,598	64,363	65,044	58,300
Rugs & roll goods larger than 6' x 9'	721,847	874,225	899,296	929,033	1,020,458	1,062,495	1,093,951
Artificial Grass for non-athletic surfaces	21,432	21,112	20,430	24,456	22,815	21,061	19,736
Automotive & aircraft	31,751	46,171	66,461	83,345	80,325	67,175	68,935
WOVEN	13,592	16,948	14,750	15,187	16,782	18,873	20,977
ALL OTHER	41,795	58,746	41,529	44,536	53,163	62,674	66,291
Knitted	5,565	6,277	6,201	6,147	3,620	1,701	(D)
Needlepunch	30,336	45,639	27,481	30,869	43,185	50,537	54,311
Braided, Hooked and Other N. E. C.	5,894	6,830	7,847	7,520	6,358	10,436	11,086
TOTAL INDUSTRY	885,811	1,090,071	1,114,920	1,159,155	1,257,906	1,297,320	1,328,190

Figures may not add due to rounding.
Source: U.S. Department of Commerce, Bureau of the Census, Current Industrial Reports, "Carpet and Rugs," Series MA-22Q.
r-Revised
D-Not published for reasons of Disclosure.

APPENDIX TABLE 2 — TOTAL INDUSTRY SHIPMENTS — DOLLAR VALUE (000's Omitted)

	1982	1983	1984	1985	1986	1987[r]	1988
TUFTED	4,621,098	5,656,773	6,088,200	6,224,678	6,890,001	7,415,375	7,892,985
Rugs smaller than 6' x 9'	277,080	339,372	313,595	318,331	390,246	427,802	401,509
Roll goods and rugs larger than 6' x 9'	4,107,496	4,996,626	5,405,926	5,437,499	6,024,290	6,536,517	7,011,635
Artificial Grass for non-athletic surfaces	56,493	56,738	55,299	58,743	50,308	52,006	48,634
Automotive & aircraft	180,029	264,037	313,380	410,105	425,157	399,054	430,807
WOVEN	194,659	219,699	215,604	227,779	240,196	266,299	286,284
ALL OTHER	144,996	168,783	157,712	153,229	181,417	247,439	238,828
Knitted	46,528	45,901	49,925	46,858	31,698	14,392	(D)
Needlepunch	72,031	93,118	65,673	61,902	105,716	160,282	159,073
Braided, Hooked and Other N. E. C.	26,437	29,764	42,114	44,469	44,003	72,765	69,611
TOTAL INDUSTRY	4,960,753	6,045,255	6,461,516	6,605,686	7,311,614	7,929,117	8,418,097

Figures may not add due to rounding.
Source: U.S. Department of Commerce, Bureau of the Census, Current Industrial Reports, "Carpet and Rugs," Series MA-22Q.
r-Revised
D-Not published for reasons of disclosure.

APPENDIX TABLE 3 — TOTAL INDUSTRY SHIPMENTS (000's Omitted)

(Includes all woven, all tufted and all other carpet and rugs combined)

YEAR	SQUARE YARDS (000's)	% Inc. or Dec.	MILL VALUE (000's)	% Inc. or Dec.	PRICE/SQUARE YARD	% Inc. or Dec.
1963	319,489	+ 13.4	$ 1,074,526	+ 12.3	$ 3.36	- 1.2
1964	374,384	+ 17.2	1,241,511	+ 15.5	3.32	- 1.2
1965	430,257	+ 14.9	1,382,404	+ 11.3	3.21	- 3.3
1966	469,197	+ 9.1	1,497,588	+ 8.3	3.19	- 0.6
1967	496,794	+ 5.9	1,615,534	+ 7.9	3.25	+ 1.9
1968	586,155	+ 18.0	1,972,347	+ 22.1	3.36	+ 3.4
1969	642,645	+ 9.6	2,186,562	+ 10.9	3.40	+ 1.2
1970	680,479	+ 5.9	2,215,111	+ 1.3	3.26	- 4.1
1971	755,159	+ 11.0	2,395,519	+ 8.1	3.17	- 2.8
1972	943,006	+ 24.9	2,936,284	+ 22.6	3.11	- 1.9
1973	1,025,389	+ 8.7	3,360,521	+ 14.5	3.28	+ 5.5
1974	939,133	- 8.4	3,328,844	- 0.9	3.54	+ 7.9
1975	834,037	- 11.2	3,092,176	- 7.1	3.71	+ 4.8
1976	939,334	+ 12.6	3,636,474	+ 17.6	3.87	+ 4.3
1977	1,074,110	+ 14.3	4,298,660	+ 18.2	4.00	+ 3.4
1978	1,162,256	+ 8.2	4,772,550	+ 11.0	4.11	+ 2.8
1979	1,206,030	+ 3.8	5,099,090	+ 6.8	4.23	+ 2.9
1980	1,058,404	- 12.2	4,913,844	- 3.9	4.64	+ 9.7
1981	990,619	- 6.4	5,250,391	+ 6.8	5.30	+ 14.2
1982	885,811	- 10.6	4,960,753	- 5.5	5.60	+ 5.7
1983	1,090,071	+ 23.0	6,045,255	+ 21.9	5.55	- 0.9
1984	1,114,920	+ 2.3	6,461,516	+ 6.9	5.80	+ 4.5
1985	1,159,155	+ 4.0	6,605,686	+ 2.2	5.70	- 1.7
1986	1,257,906	+ 8.5	7,311,614	+ 10.7	5.81	+ 1.9
1987[r]	1,297,320	+ 3.1	7,929,117	+ 8.4	6.11	+ 5.2
1988	1,328,190	+ 2.4	8,418,097	+ 6.2	6.34	+ 3.8

Source: U.S. Department of Commerce, Bureau of the Census, Current Industrial Reports, "Carpet and Rugs," Series MA-22Q.

[r]Revised

APPENDIX TABLE 4 — TOTAL BROADLOOM SHIPMENTS (000's Omitted)

(Includes all woven and knitted goods plus tufted roll goods and rugs larger than 6' x 9')

YEAR	SQUARE YARDS (000's)	% Inc. or Dec.	MILL VALUE (000's)	% Inc. or Dec.	PRICE/SQUARE YARD	% Inc. or Dec.
1963	225,332	+ 15.5	$ 891,005	+ 13.2	$ 3.95	- 2.0
1964	265,008	+ 17.6	1,003,398	+ 16.0	3.90	- 1.3
1965	301,143	+ 13.6	1,135,892	+ 9.9	3.77	- 3.3
1966	331,279	+ 10.0	1,222,964	+ 7.7	3.69	- 2.1
1967	368,590	+ 11.3	1,327,148	+ 8.5	3.60	- 2.4
1968	434,640	+ 17.9	1,631,226	+ 22.9	3.75	+ 4.2
1969	494,686	+ 13.8	1,862,027	+ 14.1	3.76	+ 0.3
1970	536,352	+ 8.4	1,908,417	+ 2.5	3.56	- 5.3
1971	589,920	+ 10.0	2,063,071	+ 8.1	3.50	- 1.7
1972	768,389	+ 30.3	2,594,986	+ 25.8	3.38	- 5.4
1973	842,240	+ 9.6	2,995,857	+ 15.5	3.56	+ 5.3
1974	788,944	- 6.3	2,975,069	- 0.7	3.77	+ 5.9
1975	703,423	- 10.8	2,744,169	- 7.8	3.90	+ 3.4
1976	789,945	+ 12.3	3,230,990	+ 17.7	4.09	+ 4.9
1977	901,173	+ 14.1	3,816,847	+ 18.1	4.24	+ 3.7
1978	990,072	+ 9.9	4,257,467	+ 11.5	4.30	+ 1.4
1979	1,033,348	+ 4.4	4,551,123	+ 6.9	4.40	+ 2.3
1980	898,030	- 13.1	4,331,473	- 4.8	4.82	+ 9.5
1981	851,968	- 5.1	4,680,353	+ 8.1	5.49	+ 13.9
1982	762,436	- 10.5	4,405,176	- 5.9	5.78	+ 5.3
1983	918,562	+ 20.5	5,318,964	+ 20.7	5.79	+ 0.2
1984	940,677	+ 2.4	5,726,754	+ 7.7	6.09	+ 5.2
1985	974,823	+ 3.6	5,770,879	+ 0.8	5.92	- 2.8
1986	1,063,675	+ 9.1	6,346,492	+ 10.0	5.97	+ 0.8
1987[r]	1,104,130	+ 3.8	6,869,214	+ 8.2	6.22	+ 4.2
1988	1,135,564	+ 2.8	7,356,697	+ 7.1	6.48	+ 4.2

Source: U.S. Department of Commerce, Bureau of the Census, Current Industrial Reports, "Carpet and Rugs," Series MA-22Q.

[r]Revised

APPENDIX TABLE 5 — CARPET AND RUG FIBER SHIPMENTS (MM pounds)

	1983	1984	1985	1986	1987	1988 1st Q	1988 2nd Q	1988 3rd Q	1988 4th Q	1988 Total
*Nylon BCF	734.6	770.2	815.4	881.4	916.0	228.2	233.8	241.2	235.1	938.3
*Nylon Staple	815.2	751.0	773.9	837.8	905.1	229.0	214.0	231.1	227.3	901.4[f]
Polyester Staple	139.0	131.4	126.8	145.0	209.0	66.1	69.0	62.3	63.8	261.2
Polypropylene BCF & Fibrillated	147.2	154.1	202.1	215.7	244.5	65.1	67.9	67.2	66.4	266.6
Polypropylene Staple	93.6	96.5	107.4	117.2	116.2	30.3	35.4	34.2	38.3	138.2
Wool	10.7	9.9	11.7	10.2	13.2	4.5	3.9	4.0	3.0	15.4
Rayon	—	—	0.5	0.4	0	0.2	0.1	0	0.1	0.4
TOTALS	1,940.3	1,913.1	2,037.8	2,207.7	2,404.0	623.4	624.1	640.0	634.0	2,521.5

*Only 1981 and 1982 poundages include Aramid.
Source: Textile Organon, Textile Economics Bureau
r-Revised.
f-Includes Acrylic

APPENDIX TABLE 6 — HOUSING STARTS/TUFTED ROLL GOODS AND RUGS LARGER THAN 6' × 9'

NEW PRIVATELY OWNED HOUSING UNITS STARTED — Seasonally adjusted Annual Rate

Year	MM Units	% Inc. or Dec.
1969	1,499.5	- 3.0
1970	1,469.0	- 2.0
1971	2,084.5	+41.1
1972	2,378.5	+14.1
1973	2,057.3	-13.5
1974	1,352.5	-34.3
1975	1,171.4	-13.4
1976	1,547.6	+32.1
1977	2,001.7	+29.3
1978	2,020.3	+ 0.9
1979	1,745.1	-13.6
1980	1,292.2	-26.0
1981	1,084.2	-16.1
1982	1,062.2	- 2.0
1983	1,703.0	+60.3
1984	1,749.5	+ 2.7
1985	1,741.8	- 0.4
1986	1,805.4	+ 3.7
1987[r]	1,620.5	-10.2
1988	1,488.1	- 8.2

Source: U.S. Department of Commerce, Bureau of the Census, Construction Reports, Housing Starts, C-20-90-1.

*TUFTED ROLL GOODS AND RUGS LARGER THAN 6' x 9' (Incl. Artificial Grass)

Year	Square Yards (000's Omitted)	% Inc. or Dec.
1969	455,341	+15.4
1970	502,280	+10.3
1971	558,565	+11.2
1972	734,308	+31.5
1973	809,435	+10.2
1974	756,386	- 6.5
1975	676,713	-10.5
1976	762,217	+12.6
1977	875,882	+14.9
1978	963,420	+10.0
1979	1,004,450	+ 4.3
1980	870,859	-13.3
1981	831,073	- 4.6
1982	743,280	-10.6
1983	895,337	+20.5
1984	919,726	+ 2.7
1985	953,489	+ 3.7
1986	1,043,273	+ 9.4
1987[r]	1,083,556	+ 3.9
1988	1,113,687	+ 2.8

Source: U. S. Department of Commerce, Bureau of the Census, Current Industrial Reports, "Carpet and Rugs," Series MA-22Q.

*Mill Shipments

APPENDIX TABLE 7 — TOTAL INDUSTRY SHIPMENTS, POPULATION, TOTAL PERSONAL INCOME

Year	Square Yards (Millions)	Population (Millions)	Square Yards Per Person	Mill Dollar Value (Millions)	Total Personal Income[1] (Billions Current $)	Dollar Shipments as % of Personal Income
1950	97.0	152.3	0.64	$ 584.1	$ 228.1	0.26
1955	138.2	165.9	0.83	612.5	314.2	0.19
1960	200.7	180.7	1.11	778.7	409.4	0.19
1970	680.5	204.9	3.32	2,215.1	831.8	0.27
1975	834.0	215.5	3.87	3,092.2	1,313.4	0.24
1980	1,058.4	226.5	4.67	4,913.8	2,258.5	0.22
1981	990.6	229.6	4.31	5,250.4	2,520.9	0.21
1982	885.8	232.0	3.82	4,960.8	2,670.8	0.19
1983	1,090.1	234.3	4.65	6,045.3	2,838.6	0.21
1984	1,114.9	236.5	4.71	6,461.5	3,108.7	0.21
1985[r]	1,159.2	238.7	4.86	6,605.7	3,325.3	0.20
1986[r]	1,257.9	241.0	5.22	7,311.6	3,526.2	0.21
1987[r]	1,297.3	243.3	5.33	7,929.1	3,777.6	0.20
1988	1,328.2	245.8	5.40	8,418.1	4,064.5	0.21

Source: U.S. Department of Commerce, Bureau of the Census
(1): U.S. Department of Commerce, Bureau of Economic Analysis

APPENDIX TABLE 8 — BROADLOOM CARPET SHIPMENTS, HOUSEHOLDS, DISPOSABLE PERSONAL INCOME

Year	SquareYards (Millions)	Households (Thousands)	Square Yards Per Household	Mill Dollar Value (Millions)	Disposable[1] Personal Income (Billions)	Dollar Shipments as % of Disposable Income
1950	85.7	43,554	1.97	$ 536.7	$ 207.5	0.26
1955	98.3	47,874	2.05	520.9	278.8	0.19
1960	148.2	52,799	2.81	667.1	358.9	0.19
1970	536.4	63,401	8.46	1,908.4	715.6	0.27
1975	703.4	71,120	9.89	2,744.2	1,142.8	0.24
1980	898.0	80,776	11.12	4,331.5	1,918.0	0.23
1981	852.0	82,368	10.34	4,680.4	2,127.6	0.22
1982	762.4	83,527	9.13	4,405.2	2,261.4	0.19
1983	918.6	83,918	10.95	5,319.0	2,428.1	0.22
1984	940.7	85,407	11.01	5,726.8	2,668.6	0.21
1985[r]	974.8	86,789	11.23	5,770.9	2,838.7	0.20
1986[r]	1,063.7	88,458	12.02	6,346.5	3,013.3	0.21
1987[r]	1,071.4	90,031	11.90	6,869.2	3,205.9	0.21
1988	1,135.6	91,538	12.41	7,356.7	3,477.8	0.21

Source: U.S. Department of Commerce, Bureau of the Census
(1): U.S. Department of Commerce, Bureau of Economic Analysis

APPENDIX TABLE 9 — CARPET/RUG EXPORTS (000's Omitted)

Year	Sq. Yds.	% Inc. or Dec.	Dollars*	% Inc. or Dec.
1975	20,895	—	$ 86,173	—
1976	24,630	+17.9	102,456	+18.9
1977	23,865	- 3.1	105,786	+ 3.3
1978	31,763	+33.1	147,322	+39.3
1979	43,763	+37.8	212,272	+44.1
1980	68,617	+56.8	320,281	+50.9
1981	60,460	-11.9	335,172	+ 4.6
1982	50,265	-16.9	286,182	-14.6
1983	48,342	- 3.8	264,092	- 7.7
1984	36,029	-25.5	216,412	-18.1
1985	24,767	-31.3	165,108	-23.7
1986	29,866	+20.6	181,151	+ 9.7
1987	41,950	+40.5	216,588	+19.6
1988	65,812	+56.9	331,570	+53.1

Source: U.S. Department of Commerce, Bureau of the Census, EM 522 and 526. Excludes Underlayment.

*F.A.S. Country of Origin - not including freight and duty cost.

CARPET/RUG IMPORTS (000's Omitted)

Year	Sq. Yds.	% Inc. or Dec.	Dollars**	% Inc. or Dec.
1975	10,751	—	$ 87,292	—
1976	13,988	+30.1	119,705	+37.1
1977	13,871	- 0.8	146,319	+22.2
1978	15,032	+ 8.4	189,846	+29.7
1979	14,151	- 5.9	199,752	+ 5.2
1980	13,798	- 2.5	276,311	+38.3
1981	14,151	+ 2.6	299,226	+ 8.3
1982	17,122	+21.0	267,594	-10.6
1983	23,813	+39.1	317,264	+18.6
1984	37,961	+54.4	458,936	+44.7
1985	51,764	+36.4	510,356	+11.2
1986	48,525	- 6.3	585,831	+14.8
1987	42,925	-11.5	655,047	+11.8
1988	42,413	- 1.2	576,414	-12.0

Source: U.S. Department of Commerce, Bureau of the Census, IM 145 and 146. Excludes Underlayment.

**C.I.F. values (cost, insurance and freight)

APPENDIX TABLE 10 — CARPET/TOTAL TEXTILE BALANCE OF TRADE (000's Omitted)

PERIOD	CARPET IMPORTS	CARPET EXPORTS	BALANCE OF CARPET TRADE	TEXTILES IMPORTS	TEXTILES EXPORTS	BALANCE OF TEXTILE TRADE*
1975	$ 87,292	$ 86,173	- 1.29%	$ 1,336	$ 1,625	+21.63%
1976	119,705	102,456	-14.41%	1,791	1,970	+09.99%
1977	146,319	105,786	-27.71%	1,939	1,959	+01.03%
1978	189,846	147,322	-22.40%	2,400	2,225	-07.29%
1979	199,752	212,272	+ 6.26%	2,399	3,189	+32.93%
1980	276,311	320,281	+15.91%	2,676	3,632	+35.73%
1981	299,226	335,172	+12.01%	3,250	3,619	+11.35%
1982	267,594	286,182	+ 6.95%	3,000	2,784	-07.20%
1983	317,264	264,092	-16.76%	3,460	2,368	-31.56%
1984	458,936	216,412	-52.84%	4,874	2,382	-51.13%
1985	510,356	165,108	-67.65%	5,274	2,366	-55.14%
1986	585,831	181,151	-69.08%	6,151	2,570	-58.22%
1987	655,047	216,588	-66.94%	6,918	2,900	-58.08%
1988	576,414	331,570	-42.48%	6,748	3,951	-41.45%

*Textiles include all yarns, fiber, carpet, rugs, and fabric. F.A.S. values for Exports and C.I.F. values for Imports.
Sources: U.S. Department of Commerce, Bureau of the Census, IM 145, IM 146, EM 522, EM 546, FT 135, and FT 140.

APPENDIX TABLE 11 — 1988 EXPORTS OF CARPET AND RUGS BY TYPE (000's Omitted)

Country of Destination	TUFTED		MACHINE WOVEN		NEEDLEPUNCH		ALL OTHERS		TOTAL	
	Sq. Yds.	Dollars	Sq. Yds.	Dollars	Sq. Yds.	Dollars	Sq. Yds.	Dollars	Sq. Yds.	Dollars
Angola	0	0	0	0	0	0	1	23	1	23
Anguilla	2	9	1	2	0	0	3	17	6	28
Antiqua	15	64	1	15	0	0	13	71	29	150
Argentina	0	6	0	2	5	27	4	33	9	68
Aruba	5	24	8	80	0	0	6	37	19	141
Australia	446	2,395	53	413	0	0	79	422	578	3,230
Austria	21	312	2	33	0	0	4	22	27	367
Bahamas	74	591	94	523	21	79	147	952	336	2,145
Bahrain	594	3,044	209	887	0	0	0	0	803	3,931
Barbados	21	127	8	55	0	2	109	463	138	647
Belgium	296	1,355	55	494	1	26	15	139	367	2,014
Belize	6	20	2	19	0	0	0	0	8	39
Bermuda	38	195	96	602	1	8	19	78	154	883
Bolivia	29	120	21	207	0	0	4	40	54	367
Botswana	1	10	0	0	0	0	0	0	1	10
Brazil	5	79	1	49	0	0	1	16	7	144
Canada	7,460	41,143	723	4,161	373	2,070	1,886	6,587	10,442	53,961
Cayman Islands	57	352	31	123	1	6	29	129	118	610
Chile	16	77	36	135	0	0	8	42	60	254
China (Mainland)	23	133	82	377	0	0	3	24	109	534
China (Taiwan)	287	1,684	269	934	0	0	11	83	567	2,701
Colombia	30	160	184	1,701	0	0	161	666	375	2,527
Cook Islands	0	0	1	9	0	0	0	0	1	9
Costa Rica	5	28	2	22	0	0	4	39	11	89
Cyprus	142	937	11	42	0	0	32	239	185	1,218
Denmark	27	153	11	189	0	0	12	23	50	365
Dominican Republic	112	520	23	116	0	0	7	43	142	679
Ecuador	0	0	6	56	0	0	2	10	8	66
Egypt	28	304	0	0	0	0	1	4	29	308
El Salvador	1	8	5	41	12	41	1	7	19	97
Federation of Micronesia	0	0	4	11	0	0	0	0	4	11
Fiji	3	12	0	0	0	0	0	0	3	12
Finland	28	131	39	98	0	0	0	0	67	229
France	127	828	36	363	0	0	29	183	192	1,374
Gabon	3	25	0	0	0	0	0	0	3	25
Germany (West)	756	4,655	139	1,974	3	17	277	2,553	1,175	9,199
Ghana	0	0	52	120	0	0	0	3	52	123
Greece	61	386	3	31	0	0	0	0	64	417
Grenada	4	10	7	14	0	0	1	5	12	29
Guadeloupe	0	0	1	2	0	0	0	0	1	2
Guatemala	60	277	34	237	0	0	1	35	95	549
Guinea	3	6	3	10	0	0	22	32	28	48
Guyana	2	2	6	53	0	0	0	0	8	55
Haiti	6	24	2	27	0	0	18	94	26	145
Honduras	10	57	7	41	1	3	10	25	28	126
Hong Kong	1,212	6,764	1,277	6,282	0	0	182	1,202	2,671	14,248
Hungary	7	16	0	0	0	0	11	48	18	64
Iceland	51	483	2	21	0	0	1	5	54	509
India	0	0	15	425	0	0	0	0	15	425
Indonesia	21	90	48	135	0	0	0	0	69	225
Iraq	14	180	0	0	0	0	0	0	14	180
Ireland	14	67	0	0	0	0	0	7	14	74
Israel	96	603	11	68	0	0	9	68	116	739
Italy	48	213	68	728	0	0	20	92	136	1,033
Ivory Coast	0	0	5	32	0	0	0	0	5	32
Jamaica	85	535	150	727	0	0	16	75	251	1,337
Japan	3,396	19,038	3,873	13,660	1	7	490	3,894	7,760	36,599
Jordan	386	1,726	39	269	0	0	4	20	429	2,015
Kenya	0	0	0	0	0	0	0	5	0	5

Country of Destination	TUFTED		MACHINE WOVEN		NEEDLEPUNCH		ALL OTHERS		TOTAL	
	Sq. Yds.	Dollars	Sq. Yds.	Dollars	Sq. Yds.	Dollars	Sq. Yds.	Dollars	Sq. Yds.	Dollars
Korea (Republic)	1,226	6,486	26	265	0	3	47	378	1,299	7,132
Kuwait	1,823	9,993	411	1,911	0	0	219	1,276	2,453	13,180
Lebanon	205	1,018	61	418	0	0	16	84	282	1,520
Liberia	54	224	0	0	0	0	0	0	54	224
Madagascar	0	0	0	5	0	0	0	0	0	5
Malaysia	104	418	12	79	0	0	6	30	122	527
Marshall Islands	20	123	0	2	0	0	0	0	20	125
Mexico	342	2,350	221	1,855	9	61	180	703	752	4,969
Montserrat	4	13	1	4	0	0	0	0	5	17
Morocco	0	0	0	3	0	0	0	0	0	3
Netherlands	381	2,034	712	2,997	1	4	39	354	1,133	5,389
Netherlands Antilles	53	248	29	143	12	55	94	384	188	830
New Zealand	11	81	2	22	0	0	0	0	13	103
Nigeria	12	44	0	0	0	0	84	109	96	153
Norway	123	444	1	13	0	0	16	418	140	875
Oman	401	1,994	19	68	0	0	0	0	420	2,062
Pakistan	0	0	2	25	0	0	4	21	6	46
Panama	73	437	346	814	4	33	17	85	440	1,369
Paraguay	19	101	1	14	0	0	20	95	40	210
Peru	0	5	0	0	0	0	0	0	0	5
Philippines	6	40	68	336	3	7	29	112	106	495
Poland	1	8	0	0	0	0	0	0	1	8
Polynesia (French)	1	5	19	80	0	0	0	0	20	85
Portugal	8	44	0	5	0	0	0	0	8	49
Qatar	708	4,047	39	185	0	0	41	292	788	4,524
Saint Lucia	4	19	1	9	0	0	6	69	11	97
Saint Vincent	15	80	3	13	0	0	1	7	19	100
Saudi Arabia	9,693	40,793	5,236	20,747	0	0	2,538	12,425	17,466	73,965
Singapore	1,008	5,600	391	2,449	0	0	43	181	1,442	8,230
South Africa (Republic of)	49	326	38	312	0	0	1	8	88	646
Spain	5	44	10	129	2	9	6	30	23	212
St. Christopher-Nevis	1	10	6	17	0	0	1	9	8	36
Surinam	6	42	7	60	0	0	0	0	13	102
Sweden	167	634	133	707	0	0	13	88	313	1,429
Switzerland	49	891	36	461	0	0	86	967	171	2,319
Syria	3	30	0	0	0	0	0	0	3	30
Tanzania	0	5	2	8	0	0	0	0	2	13
Thailand	0	0	15	101	0	0	0	0	15	101
Tonga	0	0	0	3	0	0	0	0	0	3
Trinidad	105	493	26	176	5	27	33	213	169	909
Turkey	3	13	1	12	0	0	0	0	4	25
Turk Islands	0	0	0	3	0	0	0	0	0	3
Uganda	0	0	11	30	0	0	0	0	11	30
United Arab Emirates	2,969	16,619	785	2,570	0	0	322	1,615	4,076	20,804
United Kingdom	3,691	19,422	1,123	7,287	0	0	701	3,808	5,515	30,517
Uruguay	17	73	8	80	0	0	2	7	27	160
USSR	1	8	3	24	0	0	0	0	4	32
Venezuela	23	128	13	103	5	25	8	60	49	316
Virgin Islands	0	2	1	4	0	0	15	78	16	84
Yemen (Sana)	18	62	0	0	0	0	0	0	18	62
Yugoslavia	0	0	0	4	0	0	2	2	2	6
TOTALS	**39,535**	**$205,429***	**17,572**	**$81,164***	**460**	**$2,511***	**8,245**	**$42,465***	**65,812**	**$331,570***

*Does not add due to rounding

Source: U.S. Department of Commerce, Bureau of the Census, EM546

Note: Dollar Value reported F.A.S. country of origin - not including freight and duty cost. Data exclude underlayment.

APPENDIX TABLE 12 — 1988 IMPORTS OF CARPET AND RUGS BY TYPE (000's Omitted)

Country of Origin	TUFTED		BRAIDED		HANDMADE ORIENTAL		MACH. WOVEN		ALL OTHERS		TOTAL	
	Sq. Yds.	Dollars	Sq. Yds.	Dollars	Sq. Yds.	Dollars	Sq. Yds.	Dollars	Sq. Yds.	Dollars	Sq. Yds.	Dollars
Afganistan	0	3	0	0	8	165	0	3	13	359	21	530
Argentina	0	0	0	0	5	354	0	35	0	3	5	392
Australia	106	1,190	0	0	0	42	5	207	0	22	111	1,461
Austria	0	10	0	0	0	10	1	74	8	263	9	357
Bahamas	0	0	0	0	0	0	0	0	0	0	0	0
Bahrain	0	0	0	0	0	0	0	0	0	0	0	0
Bangladesh	0	0	0	0	0	0	47	341	0	0	47	341
Belgium	2,322	10,026	1	24	20	389	6,576	65,744	1,054	3,675	9,973	79,858
Bolivia	0	1	0	0	0	1	0	0	1	7	1	8
Botswana	0	0	0	0	1	27	0	0	0	0	1	27
Brazil	0	2	0	0	0	0	29	179	60	385	89	566
Bulgaria	0	0	0	0	0	0	0	0	0	0	0	0
Canada	3,543	22,801	0	8	1	95	33	864	803	3,815	4,380	27,583
Chile	0	0	0	0	0	4	0	0	0	0	0	4
China (Mainland)	489	13,239	41	405	1,221	78,961	40	566	326	5,017	2,117	98,188
China (Taiwan)	4	71	23	158	1	69	0	1	2	42	30	341
Colombia	0	0	0	0	0	0	0	1	0	0	0	1
Costa Rica	0	1	0	0	0	1	0	0	0	0	0	2
Czechslovakia	1	2	0	0	0	0	2	10	0	0	3	12
Denmark	62	1,371	6	52	1	68	55	1,848	34	353	158	3,629
Dominican Republic	0	0	0	0	1	29	0	0	0	0	1	29
Ecuador	0	0	0	2	0	18	0	0	0	3	0	23
Egypt	0	0	0	0	4	361	34	248	15	298	53	907
Finland	0	0	0	3	1	33	1	33	2	56	4	125
France	1	37	1	16	1	282	53	1,902	15	618	71	2,855
Gabon	0	0	0	0	0	0	1	21	0	0	1	21
Germany (West)	74	1,279	30	297	7	560	45	1,133	111	1,835	267	5,104
Greece	108	1,216	0	0	7	119	69	1,064	2	43	186	2,442
Granada	0	0	0	0	0	0	0	0	0	2	0	2
Guatemala	0	0	0	0	0	4	0	0	3	44	3	48
Haiti	3	70	11	75	0	0	0	0	14	94	28	239
Hong Kong	30	2,749	0	3	25	1,793	9	49	22	111	86	4,705
Hungary	0	0	0	0	0	1	11	114	10	136	21	251
Iceland	0	0	0	0	0	7	0	0	2	13	2	20
India	36	687	5	111	1,301	73,225	623	2,860	12,073	51,145	14,038	128,028
Indonesia	0	0	0	0	0	4	0	0	0	1	0	5
Iran	0	12	0	0	52	6,939	0	11	0	117	52	7,079
Iraq	3	98	0	0	1	32	4	125	1	50	9	305
Ireland	2	41	0	0	3	259	391	7,840	372	2,549	768	10,689
Israel	1	85	0	0	2	236	20	467	0	6	23	794
Italy	9	196	2	25	1	46	366	2,996	6	157	384	3,420
Ivory Coast	0	10	0	0	0	3	0	0	0	0	0	13
Japan	61	2,506	1,563	9,721	0	35	18	412	50	383	1,692	13,057
Kenya	0	1	0	0	0	2	0	0	0	0	0	3
Korea	215	5,447	17	218	0	0	13	65	92	493	337	6,223
Lebanon	0	0	0	0	0	3	5	95	1	6	6	103
Liberia	0	0	0	0	1	107	0	0	0	0	1	107
Lesotho	0	0	0	0	0	0	0	0	0	4	0	4
Luxemburg	0	0	0	0	0	1	0	12	0	0	0	13

Country of Origin	TUFTED		BRAIDED		HANDMADE ORIENTAL		MACH. WOVEN		ALL OTHERS		TOTAL	
	Sq. Yds.	Dollars	Sq. Yds.	Dollars	Sq. Yds.	Dollars	Sq. Yds.	Dollars	Sq. Yds.	Dollars	Sq. Yds.	Dollars
Macao	0	0	0	0	0	1	0	0	0	0	0	1
Malaysia	0	63	0	0	0	0	0	0	0	0	0	63
Malta	0	0	0	0	0	0	0	0	0	2	0	2
Mauritania	0	0	0	0	1	81	0	0	0	0	1	81
Mexico	1,846	10,866	1	8	1	32	1	4	418	2,103	2,267	13,013
Monaco	0	0	0	0	0	5	0	0	0	2	0	7
Morocco	1	43	0	4	24	611	5	91	4	75	34	824
Mozambique	0	0	0	0	0	0	0	0	0	3	0	3
Nepal	0	36	0	0	35	2,624	0	1	0	13	36	2,674
Netherlands Antilles	0	0	0	0	0	0	8	62	0	0	8	62
New Caladonia	0	0	0	0	0	0	0	0	0	6	0	6
New Zealand	51	1,493	0	0	1	18	20	913	0	42	72	2,466
Nigeria	0	0	0	0	1	72	0	0	0	1	1	73
Norway	0	0	0	0	0	12	1	42	1	9	2	63
Oman	0	0	0	0	0	0	3	91	0	0	3	91
Pakistan	1	93	0	0	583	53,810	31	54	19	534	634	54,491
Panama	0	1	0	0	0	11	0	0	0	0	0	12
Peru	0	0	0	1	0	10	0	0	0	16	0	27
Philippines	29	1,160	1	7	14	584	17	358	1	16	62	2,125
Poland	0	0	0	0	0	12	0	0	11	136	11	148
Polynesia (French)	0	0	0	0	0	53	0	0	0	0	0	53
Portugal	5	354	0	8	11	789	2	26	95	2,673	113	3,851
Romania	0	0	0	0	135	8,463	21	184	32	955	188	9,602
Suadi Arabia	0	0	0	0	0	14	0	0	1	10	1	24
Senegal	0	0	0	0	0	15	0	0	0	0	0	15
Seychel	0	0	0	0	0	0	0	1	0	0	0	1
Singapore	0	5	0	0	1	73	0	0	0	6	1	84
South Africa (Republic of)	0	0	0	0	0	0	0	0	0	4	0	4
Spain	58	1,048	0	0	11	313	681	11,809	40	446	790	13,616
Sri Lanka	0	0	0	0	0	0	41	237	0	0	41	237
Swaziland	0	1	0	0	0	9	0	0	2	48	2	58
Switzerland	30	550	0	0	2	195	52	2,319	13	340	97	3,404
Syria	0	0	0	0	0	0	0	0	0	0	0	0
Thailand	79	3048	0	0	4	229	26	412	1	5	110	3,694
Tokelau	0	0	0	0	1	42	0	0	1	27	2	69
Tunisia	0	0	0	0	1	55	0	1	2	94	3	150
Turk Islands	0	0	0	0	0	0	0	0	0	0	0	0
Turkey	1	116	0	8	112	12,358	46	789	285	3,374	444	16,645
U.S.S.R.	0	0	0	0	2	40	0	1	0	12	2	53
United Arab Emirates	0	3	0	0	0	73	0	1	0	2	0	79
United Kingdom	148	2,313	1	22	6	609	1,320	32,393	54	1,145	1,529	36,482
Venezuela	0	0	0	0	0	0	0	3	0	1	0	4
Yeman (S)	0	1	0	0	0	0	0	0	0	0	0	1
Yugoslavia	1	37	0	1	0	15	1	7	1	11	3	71
TOTALS	**9,857***	**90,424***	**1,714**	**11,221***	**3,614**	**245,602**	**10,839***	**142,337**	**16,388***	**86,830***	**42,413***	**576,414**

*Does not add due to rounding.

Source: U.S Department of Commerce, Bureau of the Census, IM 146.

Notes: Dollar value reported F.O.B. country of origin - not including freight and duty costs. All data exclude underlayment.